



Custom Optical Solutions

Sector Optics designs a variety of custom optical solutions for customers. Sector Optics is capable of conceptualizing, designing to spec, setting up manufacturing and running pilot production programs. As an example, Sector Optics designed and built the Zero Lens™, an optical alignment kit that enables the use of a PVS-14 night vision monocular to be mounted in front of day optic, allowing nighttime engagement capability with no shift of your point of impact. Mounting the PVS-14 in front of the optic is more efficient and user friendly than when the PVS-14 is mounted behind the primary sight. Image intensification efficiency of the PVS-14 is maintained by front mounting, and resolution of the produced image is improved as it passes through the Zero Lens™. Front mounting also allows the operator to maintain the same shooting position, muscle memory, and eye relief with his primary sight.

The standard quick detach mounting system enables rapid installation and removal, allowing easy transition of the PVS-14 between handheld, helmet mounted, or weapon mounted use as needed during operations. Once set, the Zero Lens™ will maintain alignment between the day sight and the adjusted PVS-14 when it is re-installed.

The Zero Lens™ is a rugged, non-electronic, compact device that adds capability to your existing inventory of optics at a fraction of the cost of adding new standalone systems.

Sector Optics designed a variety of afocal adapters for Night Vision, including 3x, 6x and numerous mounts, allowing PVS-14, PVS-15 and PVS-18 to be mounted as clip-ons.

Zero Lens™ is a trademark of Black Optex.



PVS-18 3x
afocal adapter



Zero Lens™ for PVS-18



3x and 6x
afocal adapters

